



## Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)

### Description

Master AI Agent Development in One Day with Our AZ-2005 Training: Develop AI Agents with Azure OpenAI and the Semantic Kernel SDK. Designed for developers, data scientists, and AI enthusiasts, this course “**Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)**” will enable you to build and deploy AI agents for real-world applications.

Learn how to leverage Azure OpenAI and the Semantic Kernel SDK to advance your AI career simply and effectively. Take advantage of the “Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)” training, covering everything from creating semantic kernels to intelligent AI planners, and embark on a captivating guided project to create an AI travel agent.

### Classroom Registration Price (CHF)

900

### Virtual Classroom Registration Price (CHF)

850

### Course Content

#### Module 1: Introduction to the Semantic Kernel

- Understand the concept of the semantic kernel
- Discover the utility of a semantic kernel
- Learn to generate your own kernel
- Create your endpoint
- Generate a kernel object

#### Module 2: Creating Plug-ins for the Semantic Kernel

- Introduction to SDK plug-ins
- Explore built-in plug-ins
- Use built-in plug-ins
- Optimize model prompts
- Write your own prompt
- Use characters in prompts
- Save prompts to files

### **Module 3: Giving Your AI Agent Skills**

- Introduction to native SDK functions
- Understand native functions
- Create native functions

### **Module 4: Combining Prompts and Functions**

- Introduction to combining functions and prompts
- Use functions in prompts
- Use nested functions for song suggestions

### **Module 5: Using Intelligent Planners**

- Introduction to AI planners
- Discover AI planners
- Use a planner
- Create a planner
- Use a plan model
- Optimize your planners
- Automatically call functions

### **Module 6: Guided Project – Creating an AI Travel Agent**

- Introduction to the guided project
- Prepare the guided project
- Create a currency converter
- Route user intent
- Provide context indicators

### **Documentation**

- Digital course material included

### **Participant profiles**

- Azure Developer
- AI Engineer
- Data Scientist

### **Prerequisites**

- Programming experience in C#.
- Installed Visual Studio Code IDE.
- Knowledge of Azure and the Azure portal.

- Access to Azure OpenAI Services.

### **Objectives**

- Understand the concept and utility of the semantic kernel
- Create and optimize plug-ins for the semantic kernel
- Develop native skills for your AI agent
- Combine prompts and functions to enrich interactions
- Use and optimize intelligent AI planners
- Complete a guided project to create a full AI travel agent

### **Description**

Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)

### **Niveau**

Fondamental

### **Duration (in Days)**

1

### **Reference**

AZ-2005